

# The 19th Formation Evaluation Symposium of Japan

**Special Session:  
High Temperature Environment**

## PROGRAM

**JOGMEC-TRC, Chiba  
September 26 - 27, 2013**



Sponsored by Japan Formation Evaluation Society – A Chapter of SPWLA  
Cosponsored by Technology & Research Center, Japan Oil, Gas and Metals  
National Corporation  
Supported by Japanese Association for Petroleum Technology  
Society of Exploration Geophysicist of Japan  
Geothermal Research Society of Japan  
Society of Petroleum Engineers, Japan Section

<http://www.geocities.jp/ymmiya/index.htm>

# Program

## Thursday, September 26

<i>Registration</i>	Entrance Hall
<i>Slide Center</i>	Entrance Hall
Opening Session	Lecture Hall
Special Session : High Temperature Environment 1	Lecture Hall
<i>Lunch</i>	Cafeteria
Special Session : High Temperature Environment 2	Lecture Hall
<i>Coffee Break</i>	Lobby
Reservoir Characterization 1	Lecture Hall
<i>Coffee Break</i>	Lobby
Reservoir Characterization 2	Lecture Hall
General meeting	Lecture Hall
<i>Icebreaker</i>	Cafeteria

## Friday, September 27

<i>Slide Center</i>	Entrance Hall
Scientific Drilling	Lecture Hall
<i>Coffee Break</i>	Lobby
New Technology	Lecture Hall
<i>Lunch</i>	Cafeteria
General Formation Evaluation	Lecture Hall
<i>Coffee Break</i>	Lobby
Reservoir Characterization 3	Lecture Hall
<i>Coffee Break</i>	Lobby
LWD	Lecture Hall
<i>Closing</i>	Lecture Hall

\* This program is subject to change due to the preparation of the symposium.

## Technical Session: Thursday, September 26

### Opening Session

Chairperson: *Tatsuki Endo (Schlumberger)*

- 9:50**            **Opening Address:** Kazuhiko Tezuka (President of JFES, JAPEx)
- 10:00**           **Keynote Address from SPWLA:** David Kennedy (President-elect of SPWLA)

### Special Session: High Temperature Environment 1

Chairperson: *Masanori Kurihara (Waseda)*

- 10:40**           **Invited Talk1: Temperature Circumstances and Possible Technologies in Various Conditions of Geothermal Wells for Power Generation:** Haruya Nakata (Geothermal Energy Research & Development Co., Ltd.)
- 11:10**           **Invited Talk2: Japan Beyond-Brittle Project -Challenge for Engineered Development of HT/HP Geothermal Reservoirs:** Hiroshi Asanuma (The National Institute of Advanced Industrial Science and Technology)
- 11:40**           **A Development of High Temperature PTS + Fluid Sampler Tool for a Highly Deviated Well:** Satoshi Ujyo, Masashi Kato, Takashi Okabe (GERD)
- 12:00-13:15**    **Lunch**

### Special Session: High Temperature Environment 2

Chairperson: *Tatsuya Sato (GERD)*

- 13:15**           **B Scientific Drilling Projects Under High-Temperature Hole Condition:** Takamitsu Sugihara, Masataka Knoshita, Masanori Kyo, Yasuhiro Namba, Eichiro Araki, Toshinori Kimura, Yukari Kido, Yoshinori Sanada, Kan Aoike, Moe Kyaw Thu (JAMSTEC)
- 13:35**           **C High-Pressure, High-Temperature Tool for Borehole Seismic Acquisition:** Ryo Imai, Tatsuki Endo, John Tulett, Toru Ikegami, Jose Rubrico, Shinji Yoneshima, Toshimitsu Take, Takashi Yoshikawa, Makito Katayama (Schlumberger)
- 13:55**           **D High Temperature Performance Tests of Gyro Orientating Tool for Borehole Applications:** Hisao Ito (Independent Scientist), Kazumasa Kato (JAMSTEC), Yoshiaki Shiozawa, Ryouichi, Takayama, Kiyokazu Imamura (Tamagawa Seiki Co.,Ltd)
- 14:15**           **E Nanocomposites for HPHT Sealing System for Harsh Downhole Environments:** Masaei Ito, Sotaro Yukutake, Osamu Osawa (Schlumberger), Hiroyuki Ueki (Shinshu University), Kenji Takeuchi, Toru Noguchi, Morinobu Endo (Shinshu University)
- 14:35-14:55**    **Coffee Break**

## Reservoir Characterization 1

*Chairperson: Masashi Fujiwara (Moeco)*

- 14:55 F Geostatistical Simulation for Open Pit Design Optimization and Mine Economic Analysis in Decision-Making:** Abu Bakarr Jalloh, Kyuro Sasaki, (Kyushu University)
- 15:15 G Numerical Simulation on Solubility of CO<sub>2</sub> in Aquifer:** Sith Sona, K. Sasaki, Y. Sagai, R. Fujiwara, (Kyushu University)
- 15:35 H EOR Development Screening of a Heterogeneous Heavy-Oil Field with Steam Injection:** Ibrahim Suleiman AL-Hadabi, Kyuro Sasaki, Yuichi Sugai (Kyushu University)
- 15:55-16:15 Coffee Break**

## Reservoir Characterization 2

*Chairperson: Nobuhiro Fujiki (Mitsubishi)*

- 16:15 I Oil-Water Relative Permeability Curves for Fractures in Granite and limestone at Different Intrinsic Permeabilities:** Keisuke Sakurai, Noriaki Watanabe, Takuya Ishibashi, Noriyoshi Tsuchiya (Tohoku University), Yutaka Ohsaki, Tetsuya Tamagawa, Masahiko Yagi (JAPEx)
- 16:35 J Poroeastic Parameters of Sandstone Under Various Combinations of Pore Pressure and Confining Pressure:** Yuto Usui, Noriaki Watanabe, Akihisa Kizaki, Kiyotoshi Sakaguchi (Tohoku University)
- 16:55-17:15 General Meeting**
- 17:30-19:00 Icebreaker**

## Technical Session: Friday, September 27

### Scientific Drilling

Chairperson: Kazuhiro Takahashi (JAPEx)

- 9:40 O Temperature Observatory Installed in the Borehole of the Japan Trench Fast Drilling Project (JFAST):** Yasuyuki Kano (Kyoto University), Patrick Fulton, Emily Brodsky (UC Santa Cruz), James Mori (Kyoto University), Frederick Chester (Texas A&M University), Nori Kyo, Yasuhiro Namba, Nobu Eguchi, Sean Toczko, Takafumi Kasaya (Marine-Earth Science and Technology), Yoshihiro Ito (Tohoku University), Expedition 343 Scientists
- 10:00 N Downhole Formation Fluid Sampling in Deep Coalbed Biosphere Off-Shore Shimokita, Japan:** Yoshinori Sanada (JAMSTEC), Yasuhiro Yamada (Kyoto University), Fumio Inagaki, Kai-Uwe Hinrichs, Yusuke Kubo, Moe Kyaw Thu (JAMSTEC)
- 10:20-10:40 Coffee Break**

### New Technology

Chairperson: Hideo Komatsu (INPEX)

- 10:40 K Logging-While-Drilling Tool Design for High-Quality Sonic Measurements.:** Jean-Christophe Auchere, Yu Hatori, Atsushi Oshima, Hiroaki Yamamoto, Hiroshi Hori, Takeo Fujihara, Hiroshi Nakajima, Henri-Pierre Valero (Schlumberger)
- 11:00 L FOECT PS: Fiber Enabled Coiled Tubing for Production Services:** Jordi Segura, Khalid Ouaaba, Azwan Hadi Keong (Schlumberger)
- 11:20 M Invited Talk: Introducing a Downhole Laboratory for Rock Floods:** Jonathan Hall, Fathy El Wazir (Abu Dhabi Company for Onshore Operations), Raghu Ramamoorthy, Koksai Cig, Suvodip Dasgupta (Schlumberger)
- 11:40 FF Dispersion Characteristics of Leaky Compressional Mode with LWD Sonic:** Wataru Izuhara, Toshihiro Kinoshita, Hiroaki Yamamoto (Schlumberger)
- 12:00-13:15 Lunch**

### General Formation Evaluation

Chairperson: Hisao Ito (Independent Scientist)

- 13:15 Q Step Change to Identify Fractures While Drilling:** Magdi Bazara, Salim Al-Abri, Zainab Al-Kindi (Schlumberger), Zaaima Al-Ghafri (Petroleum Development of Oman)
- 13:35 R Estimation of Erosion Thickness of the Middle Miocene Unconformity (MMU) Using Sonic Log in the Pattani Trough, Gulf of Thailand:** Masashi Fujiwara, Nobuaki Sato (MOECO)
- 13:55 S Revolution of Horizontal Well Formation Evaluation to Promote the Deep & Complex Reservoir Development --Case Studies from Tarim Basin, China:** Xiang Bin Nie, Shim Yen Han, Zhao Li Jun (Schlumberger), Xiao Cheng Wen, Fan Wen Tong, Zhu Yi (PetroChina Tarim Oilfield Company)
- 14:15-14:30 Coffee Break**

## Reservoir Characterization 3

*Chairperson: Koji Kusaka (Schlumberger)*

- 14:30 T Formation Micro Images and Seismic Inversion Are Powerful Tools for Reservoir Characterization in the Senoro Field:** Deddy Hasanusi, Rahmat Wijaya, Neni Herawati (JOB Pertamina-Medco E&P Tomori Sulawesi )
- 14:50 V The Threshold Capillary Pressure Affected by the Different Properties of Injection Gases:** Kei Kawaura, Kohei Akaku, Masanori Nakano (JAPEX)
- 15:10 W Time-Lapse P-Wave Velocity Variation Indicating the Transition from Patchy to Uniform Saturation While CO2 Monitoring:** Wataru Sekiguchi, Isao Takahashi, Mayu Otake (INPEX)
- 15:30-15:50 Coffee Break**

## LWD

*Chairperson: Koji Kusaka (Schlumberger)*

- 15:50 X On Combined Use of Bed Boundary Logs and Formation Testing While Drilling to Estimate Well Productivity:** Younes Jalali, Shahid Haq (Schlumberger)
- 16:10 Y Logging While Drilling for Shallow Hazard Detection; the Challenges of Large Hole Acoustic Logging:** Matthew Blyth, Hiroaki Yamamoto, Vivian Pistre (Schlumberger)
- 16:30-16:45 Closing**

## Poster

- AA LWD Images New Technology Steering a Well:** Magdi Bazara, Janine Maalouf, Dia, Abdelwahid, Said Al Balushi, Ahmed Farah (Schlumberger), Waleed Bulushi (Petroleum Development of Oman)
- GG Introduction of High Temperature Acoustic Borehole Viewer Tool and Ultra High Temperature Memory Gauge :** Satoru Hada, Shumin LIN, Masato Nakadai, (Geophysical Surveying Co.,Ltd)

Sponsor

Gold



Silver



## Symposium Committee 2013

Chairman	Kazuhiko Tezuka, JAPEX
Program	Tatsuki Endo, Schlumberger K.K.
Finance	Kunihiro Tsuchida, JOGMEC
Printing/Proceedings	Hideo Komatsu, INPEX Corporation
Pre-Registration	Kinuko Yanagi, Schlumberger K.K.
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International Coordination	Osamu Osawa, Schlumberger K.K.
Award/Gift	Hideki Saito, OYO Corporation
Entertainment	Masato Nakadai, Geophysical Surveying Co., Ltd.
Review	Nobuhiro Fujiki, Mitsubishi Corporation Exploration Co, Ltd.
Review	Hisao Ito, Independent Scientist
Review	Tatsuya Sato, Geothermal Energy R & D Co., Ltd.

### Corresponding Address:

**Kinuko Yanagi**

Schlumberger K.K.

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Tel: +81 (42) 759- 5703, Fax:+81 (42) 759-4271

e-mail: [KYanagi@slb.com](mailto:KYanagi@slb.com)



## Registration Information

### REGISTRATION FEE

	Pre-Registration (by Sep. 17)	On Site Registration
Member or Speaker	5,000 yen	6,000 yen
Non-member	6,000 yen	7,000 yen
Student	free	1,000 yen

### Registration fee entitles a delegate to:

- Proceedings
- Technical program

### HOW TO REGISTER

The enclosed Pre-Registration Form must be returned to :

Kinuko Yanagi  
Schlumberger K.K.  
2-2-1 Fuchinobe, Chuo, Sagami-hara, Kanagawa 252-0206, Japan  
Tel: +81 (42) 759- 5703, Fax:+81 (42) 759-4271  
e-mail: KYanagi@slb.com

The Deadline for the receipt of the **Pre-Registration** Form will be **September 17, 2013**. No prior proof of payment is necessary. If any change in your registration is necessary, it must be made in writing to the above address no later than September 18. No changes or cancellations can be made by telephone. Any registration after September 18 is requested to be made on site.

### HOW TO PAY

All payments should be made on site by cash in Japanese Yen. No check or credit card will be accepted.

## Speaker Information

All speakers are asked to make pre-registration by **August 31, 2013**.

LCD projector is available. All speakers who use LCD are asked to carry their Power Point files by CD ROM or USB memory and register them in the Slide Center corner at their earliest of convenience.

Each oral presentation is allocated 20 minutes including question and discussion. Presentation should be made in English.

## General Information

**DATE:** Thursday, September 26, and Friday, September 27, 2013  
**VENUE:** Technology & Research Center (TRC)  
Japan Oil, Gas and Metals National Corporation (JOGMEC)  
1-2-2, Hamada, Mihama-ku, Chiba 261-0025, Japan  
Tel: +81 (43) 276-9212

### HOW TO GET TO THE JOGMEC-TRC:

From Makuhari-Hongo Station (JR Sobu Line; 40 min from Tokyo station)

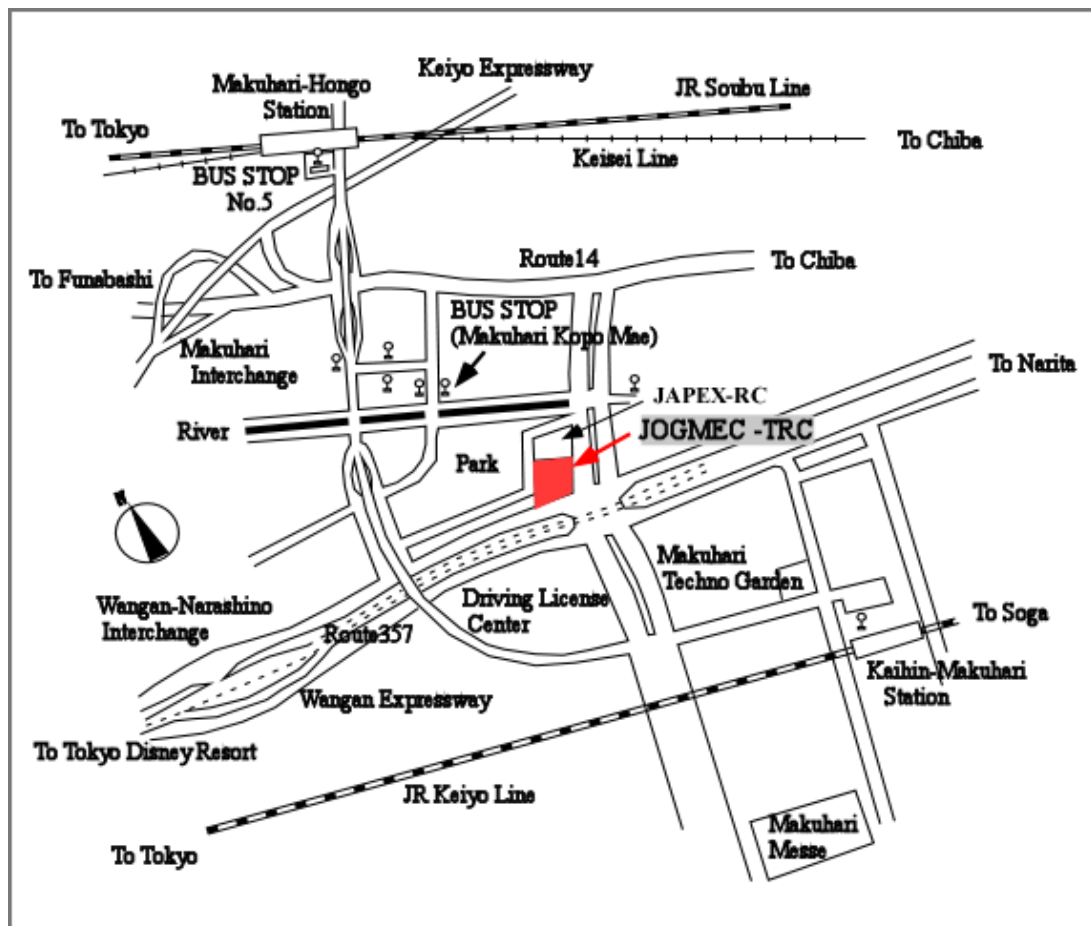
- 10 min. by taxi or 30 min. on foot
- 10 min. by City bus (see below map and bus schedule)

From Kaihin-Makuhari Station (JR Keiyo Line; 30 min. from Tokyo station)

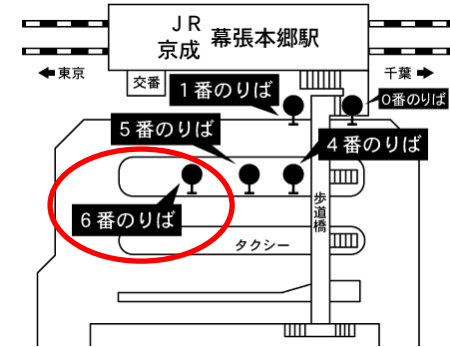
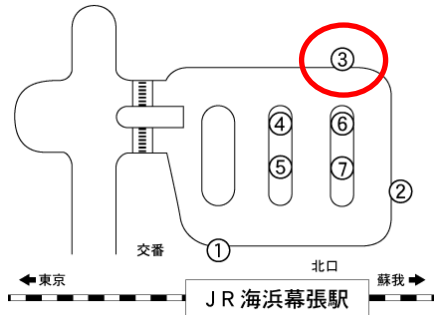
- 10 min. by taxi or 20 min. on foot
- 10 min. by City bus (see below map and bus schedule)

### City Bus Service

City bus services are available from Makuhari-Hongo Station and Kaihinmakuhari station. Please refer to the bus schedule in the next page. The fare is 160yen. There are several bus lines between Makuhari-Hongo Station and Kaihinmakuhari station. Please take “Columbus City Line” and get off at “Sekiyukaihatu Gijyutu Center”.



## Bus Schedule -Columbus City Line-



海浜幕張駅  
Kaihinmakuhari-Station

石油開発技術センター  
Sekiyukaihatsugijyutu-Center  
(JOGMEC-TRC)

幕張本郷駅  
Makuharihongo-Station

幕張本郷駅行き (#22) For Makuharihongo-Station	
平日	
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幕張本郷駅行き For Makuharihongo-Station		海浜幕張駅行き For Kaihinmakuhari-Station	
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海浜幕張駅行き For Kaihinmakuhari-Station	
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## Accommodation and other travel arrangement

Should you require any assistance for visa, accommodation and other travel arrangement during the Symposium at JOGMEC-TRC Makuhari, please contact JFES Secretary at the following address by facsimile or E-mail:

**Kinuko Yanagi**

Schlumberger K.K.

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e-mail: KYanagi@slb.com

In order to make proper arrangement, please send your request no later than August 20.

### Land Transportation

For foreign visitors, limousine bus service is the most convenient from Narita Airport to the hotel. Please go to the orange colored "Friendly Airport Limousine Bus" booths, and get on the bus that goes to your hotel. "Keisei Bus" goes to Makuhari area. The cost of the bus will be around 2,400 – 3,000 yen depending on the destination.

Taxi to the hotel around Makuhari area is more than 10,000 yen. The taxi to the center of Tokyo will cost around 30,000 yen.

"Meet & Assist Service" is available on request. The request should be made at least 2 weeks in advance. It will cost about 12,000 yen or more additionally depending on the type of service of your request.

### Accommodation

Some examples of the hotels in Makuhari and Tokyo area are listed below and available at your choice. The actual price will be available once the final itinerary is presented and confirmed.

#### **Makuhari Area**

20 min. walk to JOGMEC-TRC or 10 min. by taxi

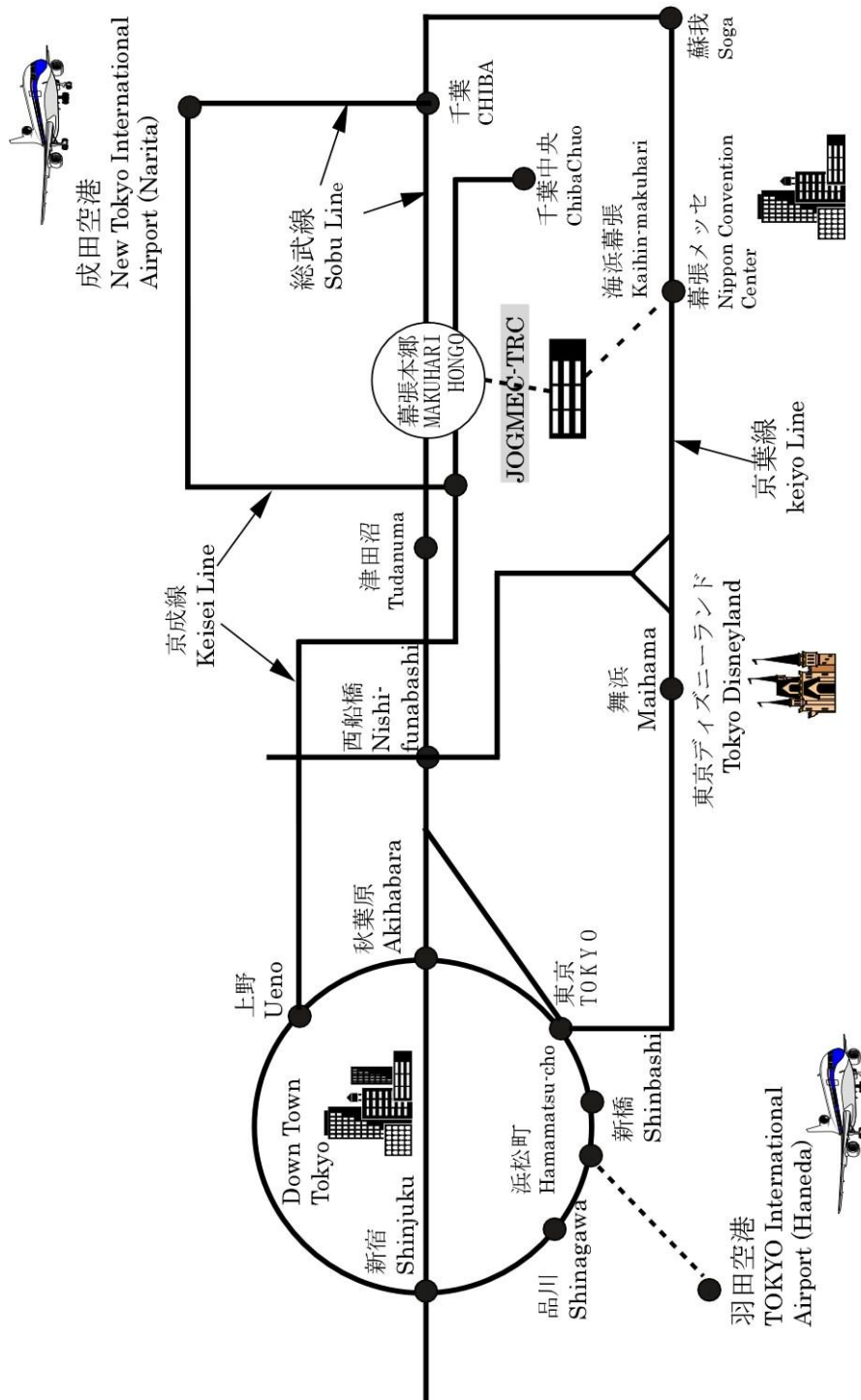
JFES has a group booking at Hotel the Manhattan.

- Hotel the Manhattan US\$130 ~ US\$180  
(<http://www.the-manhattan.co.jp/english/>)
  
- Hotel Springs Makuhari US\$100 ~  
(<http://www.springs.co.jp/stay/english/index.html>)
  
- APA Hotel & Resort Tokyo Bay Makuhari US\$100 ~  
(<http://www.tokyobay-makuhari.com/english/index.html>)

**Tokyo area**

40 min. to Makuhari Hongo (via Sobu Rapid Train Service) then JOGMEC-TRC bus to Symposium

- Shinagawa Prince Hotel US\$ 150 ~  
<http://www.princehotelsjapan.com/shinagawaprincehotel/>
- Mércure Hotel Ginza Tokyo US\$ 150 ~  
[http://www.mercure.com/mercure/fichehotel/gb/mer/5701/fiche\\_hotel.shtml](http://www.mercure.com/mercure/fichehotel/gb/mer/5701/fiche_hotel.shtml)



# The 19th Formation Evaluation Symposium of Japan

JOGMEC-TRC, Chiba, Japan, September 26 - 27, 2013

## *Pre-Registration Form*

Name: \_\_\_\_\_

SPWLA Member

Non-Member

Speaker

JOGMEC-TRC / Student

Institute or Company: \_\_\_\_\_

Mailing address: \_\_\_\_\_

\_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

e-mail: \_\_\_\_\_

### Fee

Registration:	Member or Speaker	<input type="checkbox"/> 5,000 yen
	Non-Member	<input type="checkbox"/> 6,000 yen
	Student	<input type="checkbox"/> free

Total \_\_\_\_\_ yen

Please circle: 26<sup>th</sup> / 27<sup>th</sup> / Icebreaker

Signature: \_\_\_\_\_

Please return this form complete by **September 17, 2013** to;

### **Kinuko Yanagi**

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